

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L1 | 63 | ((RENATO) near2 (CONTA)). INV. | US-PGRUB; USPAT | OR | ON | 2010/05/24 07:15 |
| L2 | 7 | ((LUCIA) near2 (GIOVANOLA)).INV. | US-PGRUB; USPAT | OR | ON | 2010/05/24 07:15 |
| L3 | 17 | ((((RENATO) near2 (CONTA)). INV.) and ("347"/\$.ccls.) and @pd<="20031027" | US-PGRUB; USPAT | OR | ON | 2010/05/24 08:32 |
| L4 | 0 | ((((LUCIA) near2 (GIOVANOLA)).INV.) and ("347"/\$.ccls.) and @pd<="20031027" | US-PGRUB; USPAT | OR | ON | 2010/05/24 08:33 |
| L5 | 0 | ((((LUCIA) near2 (GIOVANOLA)).INV.) and ("347"/\$.ccls.) and @pd<="20031027" | US-PGRUB; USPAT | OR | ON | 2010/05/24 08:33 |
| L10 | 12 | ((US-20070081037-\$).did. or (US-5530465-\$ or US- 5612725-\$ or US-6711793-\$ or US-6505919-\$ or US- 6109738-\$ or US-5825383-\$ or US-6347861-\$ or US- 6412921-\$ or US-6862783-\$ or US-5649346-\$ or US- 5590451-\$).did. | US-PGRUB; USPAT | OR | ON | 2010/05/24 08:37 |
| L11 | 6 | ((US-20070081037-\$).did. or (US-5530465-\$ or US- 5612725-\$ or US-6711793-\$ or US-6505919-\$ or US- 6109738-\$ or US-5825383-\$ or US-6347861-\$ or US- 6412921-\$ or US-6862783-\$ or US-5649346-\$ or US- 5590451-\$).did.) and (module chip cell) | US-PGRUB; USPAT | OR | ON | 2010/05/24 08:39 |
| S2 | 1 | ((US-20030007034-\$).did. or (US-20030007034-A-\$).did. | US-PGRUB; DERWENT | OR | ON | 2008/03/12 13:38 |
| S3 | 1 | (10/229453).APP. | USPAT; USOCR | OR | ON | 2008/03/12 13:40 |
| S4 | 1 | "10577431" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/27 18:31 |

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|-----|-----|---|---|----|----|---------------------|
| S6 | 665 | ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and @ad<="20021027" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:09 |
| S7 | 556 | ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and @ad<="20020101" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:09 |
| S8 | 306 | (*347*/\$.cls.) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and @ad<="20020101" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:10 |
| S9 | 300 | (*347*/\$.cls.) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and @ad<="20020101" | US-PGRUB; USPAT | OR | ON | 2008/03/30 17:12 |
| S10 | 479 | ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and @ad<="20020101" | US-PGRUB; USPAT | OR | ON | 2008/03/30 17:12 |
| S11 | 2 | (US-20030007034-\$).did" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:15 |
| S12 | 1 | (US-20030007034-\$).did. or (US-20030007034-A-\$).did. | US-PGRUB; DERWENT | OR | ON | 2008/03/30 17:17 |
| S13 | 2 | (10/229453).app. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:18 |
| S14 | 1 | "10577431" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:18 |

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|-----|-----|---|---|----|----|---------------------|
| S15 | 45 | ((347/65) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and @ad<="20020101" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:24 |
| S16 | 197 | ("347"/\$.cls.) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or processor or integrated or semiconductor) and @ad<="20020101" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:29 |
| S17 | 41 | ((347/65) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or processor or integrated or semiconductor) and @ad<="20020101" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:29 |
| S18 | 14 | ((347/70) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or processor or integrated or semiconductor) and @ad<="20020101" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:29 |
| S19 | 0 | ((347/148) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or processor or integrated or semiconductor) and @ad<="20020101" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:30 |
| S20 | 2 | S17 and S18 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:36 |
| S21 | 2 | (US-6557985-\$ or US-6074043-\$).did. | USPAT | OR | ON | 2008/03/30 17:37 |
| S22 | 1 | (US-6557985-\$).did. | USPAT | OR | ON | 2008/03/30 17:39 |

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|-----|----|--|---|----|----|---------------------|
| S23 | 2 | "20020044179" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:41 |
| S24 | 1 | (09/968281).APP. | USPAT; USOCR | OR | ON | 2008/03/30 17:41 |
| S25 | 1 | (US-6626524-\$).did. | USPAT | OR | ON | 2008/03/30 17:42 |
| S26 | 4 | "6137506" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:52 |
| S27 | 1 | (US-6137506-\$).did. | USPAT | OR | ON | 2008/03/30 17:53 |
| S28 | 34 | "6155669" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:54 |
| S29 | 1 | (US-6155669-\$).did. | USPAT | OR | ON | 2008/03/30 17:54 |
| S30 | 47 | ("347"/85) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or processor or integrated or semiconductor) and @ad<="20020101" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 17:59 |
| S31 | 0 | ("347"/95) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or processor or integrated or semiconductor) and @ad<="20020101" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:00 |
| S32 | 0 | (347/95) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or processor or integrated or semiconductor) and @ad<="20020101" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:01 |

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|-----|----|---|---|----|----|---------------------|
| S33 | 30 | S30 not S17 not S18 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:01 |
| S34 | 39 | S17 not S18 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:02 |
| S35 | 12 | S18 not S17 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:02 |
| S36 | 53 | S17 or S18 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:03 |
| S37 | 7 | (US-20030007034-\$).did. or (US-6038367-\$ or US- 6557985-\$ or US-6074043-\$ or US-6626524-\$ or US- 6137506-\$ or US-6155669-\$). did. or (US-20030007034-A- \$).did. | US-PGRUB; USPAT; DERWENT | OR | ON | 2008/03/30 18:09 |
| S38 | 51 | S36 not S37 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:09 |
| S39 | 51 | (US-20020167569-\$ or US- 20020075360-\$).did. or (US- 7115423-\$ or US-6755513-\$ or US-6702431-\$ or US- 6666547-\$ or US-6616270-\$ or US-6572221-\$ or US- 6561625-\$ or US-6554408-\$ or US-6536873-\$ or US- 6530653-\$ or US-6505919-\$ or US-6502928-\$ or US- 6462391-\$ or US-6431689-\$ or US-6412921-\$ or US- 6412913-\$ or US-6382780-\$ or US-6350023-\$ or US- 6332677-\$ or US-6318849-\$ or US-6296351-\$ or US- 6206499-\$ or US-6179414-\$ or US-6109734-\$ or US- | US-PGRUB; USPAT | OR | ON | 2008/03/30 18:16 |

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|-----|----|--|---|----|----|---------------------|
| | | 6062681-\$ or US-5992769-\$). did. or (US-5989445-\$ or US- 5984464-\$ or US-5953029-\$ or US-5946012-\$ or US- 5924198-\$ or US-5900894-\$ or US-5896153-\$ or US- 5874974-\$ or US-5852460-\$ or US-5755032-\$ or US- 5736998-\$ or US-5648805-\$ or US-5648804-\$ or US- 5638101-\$ or US-5635966-\$ or US-5625396-\$ or US- 5619236-\$ or US-5604519-\$ or US-5594481-\$ or US- 5563642-\$ or US-5515089-\$ or US-5483265-\$ or US- 5408738-\$).did. | | | | |
| S40 | 7 | ((US-20030007034-\$).did. or (US-6074043-\$ or US- 6626524-\$ or US-6137506-\$ or US-6155669-\$ or US- 6038367-\$ or US-6557985-\$). did. or (US-20030007034-A- \$).did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2008/03/30 18:16 |
| S41 | 58 | (S39 or S40) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:16 |
| S42 | 2 | ((S39 or S40) and (mm with front) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:17 |
| S43 | 0 | ((S39 or S40) and (ejection with mm with front) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:18 |
| S44 | 1 | ((S39 or S40) and (ejection with mm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:18 |
| S45 | 3 | S42 or S44 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:19 |

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|-----|---|---|---|----|----|---------------------|
| S46 | 0 | ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and ((ejection with cell) with ((0.5" adj mm) or ("1" adj mm))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:23 |
| S47 | 1 | ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and ((ejection with cell) with (mm)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 18:24 |
| S48 | 0 | (*2007/0081037*).URPN. | USPAT | OR | ON | 2008/03/30 18:25 |
| S49 | 1 | (10/015673).APP. | USPAT; USOCR | OR | ON | 2008/03/30 18:34 |
| S50 | 2 | (US-5992769-\$ or US-5989445-\$).did. | USPAT | OR | ON | 2008/03/30 18:47 |
| S51 | 3 | (US-6626524-\$ or US-6137506-\$ or US-6557985-\$).did. | USPAT | OR | ON | 2008/03/30 18:56 |
| S52 | 4 | (US-20020075360-\$).did. or (US-6616270-\$ or US-6561625-\$ or US-6554408-\$).did. | US-PGPUB; USPAT | OR | ON | 2008/03/30 19:02 |
| S53 | 3 | (US-6616270-\$ or US-6561625-\$ or US-6554408-\$).did. | USPAT | OR | ON | 2008/03/30 19:02 |
| S54 | 2 | (US-5992769-\$ or US-5989445-\$).did. | USPAT | OR | ON | 2008/03/30 19:03 |
| S56 | 2 | US-6068367-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/30 19:06 |
| S57 | 1 | (US-6068367-\$).did. | USPAT | OR | ON | 2008/03/30 19:07 |
| S58 | 9 | (US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did. | USPAT | OR | ON | 2008/03/31 07:43 |
| S59 | 9 | ((US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did.) and (silicon or chip) | USPAT | OR | ON | 2008/03/31 07:47 |

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|-----|---|---|-------|----|----|---------------------|
| S60 | 0 | ((US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did.) and (printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive) with (ink or fluid) with (channel or duct or cell)) and (silicon or chip or etched or etch) and (spacer or rib) | USPAT | OR | ON | 2008/03/31 09:06 |
| S61 | 0 | ((US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did.) and (printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive) and (ink or fluid) and (channel or duct or cell)) and (silicon or chip or etched or etch) and (spacer or rib) | USPAT | OR | ON | 2008/03/31 09:07 |
| S62 | 2 | ((US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did.) and (printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive) and (ink or fluid) and (channel or duct or cell or spacer or rib)) and (silicon or chip or etched or etch) | USPAT | OR | ON | 2008/03/31 09:08 |
| S63 | 2 | ((US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did.) and (printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive or glue or lamina or taper or tapering) and (ink or fluid) and (channel or duct or cell or spacer or rib or slot)) and (silicon or chip or etched or | USPAT | OR | ON | 2008/03/31 09:48 |

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|-----|----|---|------------------------|----|----|------------------|
| | | etch) | | | | |
| S64 | 1 | ((US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did.) and (printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive or glue or lamina or taper or tapering) and (ink or fluid) and (channel or duct or cell or spacer or rib or slot)) and (silicon or chip or etched or etch) and (mm) | USPAT | OR | ON | 2008/03/31 09:49 |
| S65 | 6 | ("4283228" "4312008" "5530465" "5612725" "5874975" "6260960").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/03/31 09:49 |
| S66 | 1 | ((US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did.) and (printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive or glue or lamina or taper or tapering) and (ink or fluid) and (channel or duct or cell or spacer or rib or slot or cavity or passage)) and (silicon or chip or etched or etch) and (mm) | USPAT | OR | ON | 2008/03/31 09:59 |
| S67 | 2 | (US-5612725-\$ or US-5530465-\$).did. | USPAT | OR | ON | 2008/03/31 10:08 |
| S68 | 42 | ("5530465" "5612725"). URP.N. | USPAT | OR | ON | 2008/03/31 10:08 |
| S70 | 5 | (US-6862783-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$).did. | USPAT | OR | ON | 2008/03/31 10:43 |
| S71 | 9 | (US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did. | USPAT | OR | ON | 2008/03/31 10:44 |
| S72 | 4 | (US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$).did. | USPAT | OR | ON | 2008/03/31 10:50 |

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|-----|----|---|-------|----|----|---------------------|
| S73 | 13 | ((US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did. | USPAT | OR | ON | 2008/03/31 10:52 |
| S74 | 1 | ((((US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did.) and ((printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive or glue or lamina or taper or tapering) and ((ink or fluid) and (channel or duct or cell or spacer or rib or slot or cavity or passage)) and (silicon or chip or etched or etch) and (mm) | USPAT | OR | ON | 2008/03/31 10:53 |
| S75 | 1 | ((((US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did.) and ((printhead) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening or adhesive or glue or lamina or taper or tapering) and ((ink or fluid) and (channel or duct or cell or spacer or rib or slot or cavity or passage)) and (silicon or chip or etched or etch) and (mm) and nozzle | USPAT | OR | ON | 2008/03/31 11:15 |

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|-----|---|--|-------|----|----|---------------------|
| S77 | 1 | ((US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did.) and ((printhead) and ((ink adj jet) or inkjet) and ((seal or sealed or sealing or fasten or fastening or adhesive or glue or lamina or taper or tapering) and (ink or fluid) and (channel or duct or cell or spacer or rib or slot or cavity or passage)) and (silicon or chip or etched or etch) and (mm) and nozzle | USPAT | OR | ON | 2008/03/31 12:55 |
| S78 | 1 | ((US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did. and ((taper or tapered or tapering or chamfer) with (lamina or layer)) | USPAT | OR | ON | 2008/04/01 09:02 |
| S79 | 3 | ((US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did. and ((channel with width) with (mm)) | USPAT | OR | ON | 2008/04/01 09:23 |
| S80 | 3 | ((US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$).did. and ((channel same width) same (mm)) | USPAT | OR | ON | 2008/04/01 09:25 |
| S81 | 2 | ((US-6616270-\$ or US-6554408-\$).did. | USPAT | OR | ON | 2008/04/01 19:10 |

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|-----|-------|---|---|----|----|---------------------|
| S82 | 11895 | (347/44, "47", "54", "65", "70", "85", "148") and ((seal or sealing or sealed) with (lamina or cover)) and ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 10:53 |
| S83 | 9 | (US-6626524-\$ or US-6557985-\$ or US-6137506-\$ or US-6616270-\$ or US-6561625-\$ or US-6554408-\$ or US-5992769-\$ or US-5989445-\$ or US-6068367-\$). did. | USPAT | OR | ON | 2008/04/02 10:57 |
| S84 | 0 | S83 and ((seal or sealing or sealed) with (lamina or cover)) and ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 10:58 |
| S85 | 0 | S83 and ((seal or sealing or sealed) with (lamina or cover)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:00 |
| S86 | 0 | S83 and (lamina or cover) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:02 |
| S87 | 0 | S83 and (lamina or cover or top) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:02 |
| S88 | 300 | ("347"/\$.ccls.) and ((ink adj jet) or inkjet) and ((seal or sealing or fasten or fastening) with (ink or fluid) with (channel or duct or cell)) and @ad<="20020101" | US-PGRUB; USPAT | OR | ON | 2008/04/02 11:50 |
| S89 | 1 | S88 and ((seal or sealing or sealed) with (lamina or cover)) and ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 11:50 |

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|-----|-----|--|---|----|----|---------------------|
| S90 | 0 | S82 and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side or wall)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:20 |
| S91 | 843 | S82 and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side or wall)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:21 |
| S92 | 770 | S82 and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:22 |
| S93 | 41 | S82 and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) with (channel) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:23 |
| S94 | 38 | S82 and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) with (edge or side)) with (channel) and @pd<="20031027" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:24 |
| S95 | 0 | ("347"/\$.ccls. and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) adj (edge or side)) with (channel) and @pd<="20031027" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:27 |
| S96 | 0 | ("347"/\$.ccls.) and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) adj (edge or side)) with (channel) and @pd<="20031027" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:29 |

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|------|----|---|---|----|----|---------------------|
| S97 | 1 | ("347"/\$.ccls.) and ((seal or sealing or sealed) with (lamina or cover or strip)) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) adj (edge or side)) and @pd<="20031027" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:31 |
| S98 | 12 | ("347"/\$.ccls.) and (lamina or cover or strip) with ((taper or tapered or tapering or chamfer or chamfered or bevel or beveled) adj (edge or side)) and @pd<="20031027" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/04/02 12:33 |
| S99 | 1 | (US-6014153-\$.)did. | USPAT | OR | ON | 2008/04/02 12:35 |
| S100 | 2 | "20070081037".pn. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/01 15:22 |
| S102 | 1 | "20070081037".pn. and ("207", "144", "153", "155", "156", "159", "161", "153", "142") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/01 17:32 |
| S106 | 2 | ("20070081037".pn.) and ((printhead) or (ejection adj modules) or (chip) or (ejection adj nozzle) or (edge with module) or (ejection with cell) or (delivery with channels) or (ink with cells) or ((distribution adj channel) with (front)) or (((first or second) adj (edge)) or (channels)) or (nozzle adj layer) or (relative adj chip) or (parallel with front) or (support with mounting with module) or (feeding adj duct) or (fluid adj seal) or ((ribs) with (distribution adj channel) with (delivery adj channel)) or ((ribs with transverse) with (distribution adj channel)) or ((bearing) with (nozzle adj layer)) or ((pair with ribs) with (delivery adj channel))) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/01 18:09 |

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|------|-----|--|---|----|----|---------------------|
| S107 | 1 | (US-20070081037-\$).did. | US-PGPUB | OR | ON | 2008/11/01 18:24 |
| S108 | 1 | (US-20070081037-\$).did. | US-PGPUB | OR | ON | 2008/11/01 18:32 |
| S109 | 8 | (US-20070081037-\$).did. or (US-5530465-\$ or US- 5612725-\$ or US-6711793-\$ or US-6505919-\$ or US- 6109738-\$ or US-5825383-\$ or US-6862783-\$).did. | US-PGPUB; USPAT | OR | ON | 2008/11/02 14:57 |
| S110 | 0 | "347"/\$.ccls. and (structural adj layer) and (ribs or divider or separator) and (fastened with ribs) with (etching or etched) and @pd<="20031027" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/02 15:00 |
| S111 | 0 | "347"/\$.ccls. and (structural adj layer) and (ribs or divider or separator or barrier) and (fastened with ribs) with (etching or etch or etched) and @pd<="20031027" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/02 15:02 |
| S112 | 0 | "347"/\$.ccls. and (structural with layer) and (ribs or divider or separator or barrier) and (fastened with ribs) with (etching or etch or etched) and @pd<="20031027" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/02 15:03 |
| S113 | 0 | "347"/\$.ccls. and (structural with layer) and (rib or divider or separator or barrier) and (fastened with ribs) with (etching or etch or etched) and @pd<="20031027" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/02 15:03 |
| S114 | 100 | "347"/\$.ccls. and (structural with layer) and (rib or divider or separator or barrier) and (etching or etch or etched) and @pd<="20031027" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/02 15:03 |
| S115 | 4 | "347"/\$.ccls. and (structural with layer) same (rib or divider or separator or barrier) same (etching or etch or etched) and @pd<="20031027" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/02 15:04 |
| S116 | 1 | (US-6347861-\$).did. | USPAT | OR | ON | 2008/11/02 15:09 |

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|------|---|--|---|----|----|---------------------|
| S117 | 9 | ((US-20070081037-\$).did. or (US-5530465-\$ or US-5612725-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6347861-\$ or US-6862783-\$).did. | US-PGRUB; USPAT | OR | ON | 2009/04/12 12:33 |
| S118 | 1 | ((US-20070081037-\$).did. or (US-5530465-\$ or US-5612725-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6347861-\$ or US-6862783-\$).did.) and (((delivery same distribution)) same (channel)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 12:34 |
| S119 | 0 | ((US-20070081037-\$).did. or (US-5530465-\$ or US-5612725-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6347861-\$ or US-6862783-\$).did.) and ((delivery same distribution) same (channel) same (orthogonal or perpendicular)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 12:42 |
| S120 | 2 | "20070081037".pn. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/12 12:45 |
| S121 | 2 | "347"/\$.ccls. and pd<="20031027" and (((delivery same distribution) same (channel) same (orthogonal or perpendicular)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 12:48 |
| S122 | 0 | "347"/\$.ccls. and @pd<="20031027" and (((delivery same distribution) same (channel) same (orthogonal or perpendicular)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 12:49 |
| S123 | 3 | "347"/\$.ccls. and @pd<="20031027" and (((delivery same distribution) same (channel)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 12:49 |

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|------|----|---|---|----|----|---------------------|
| S124 | 1 | ((US-20070081037-\$).did. or (US-5530465-\$ or US-5612725-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6347861-\$ or US-6862783-\$).did.) and ((feeding) with (duct)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 15:51 |
| S125 | 54 | "347"/\$.ccls. and ((feeding) with (duct)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 15:51 |
| S126 | 18 | "347"/\$.ccls. and @pd<="20031027" and ((feeding) with (duct)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 15:52 |
| S127 | 8 | "347"/\$.ccls. and @pd<="20031027" and ((feeding) with (duct) with (ink)) | US-PGRUB; USPAT | OR | ON | 2009/04/12 15:53 |
| S128 | 10 | ((US-20070081037-\$).did. or (US-5530465-\$ or US-5612725-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6347861-\$ or US-6412921-\$ or US-6862783-\$).did. | US-PGRUB; USPAT | OR | ON | 2009/11/01 13:01 |
| S129 | 10 | ((US-20070081037-\$).did. or (US-5530465-\$ or US-5612725-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6347861-\$ or US-6412921-\$ or US-6862783-\$).did.) | US-PGRUB; USPAT | OR | ON | 2009/11/01 13:01 |
| S130 | 1 | ((US-20070081037-\$).did. or (US-5530465-\$ or US-5612725-\$ or US-6711793-\$ or US-6505919-\$ or US-6109738-\$ or US-5825383-\$ or US-6347861-\$ or US-6412921-\$ or US-6862783-\$).did.) and (nozzles near9 parallel near9 adjacent near9 front near9 module) | US-PGRUB; USPAT | OR | ON | 2009/11/01 14:15 |
| S131 | 0 | @pd<="20031027" and (nozzles near9 parallel near9 adjacent near9 front near9 module) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/01 14:17 |

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|------|----|---|---|----|----|---------------------|
| S132 | 1 | @pd<="20031027" and (((nozzle near9 parallel near9 adjacent near9 front) near9 (module substrate))) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/01 14:19 |
| S133 | 0 | "347"/\$.ccls. and @pd<="20031027" and (((nozzle near20 parallel near20 adjacent near20 front) near20 (module substrate))) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/01 14:20 |
| S134 | 6 | "347"/\$.ccls. and @pd<="20031027" and (((nozzle same parallel same adjacent same front) same (module substrate))) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/01 14:20 |
| S135 | 7 | "347"/\$.ccls. and @pd<="20031027" and (((nozzle same parallel same adjacent same front) same (module substrate chip))) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/11/01 14:21 |
| S136 | 63 | ((RENATO) near2 (CONTA)). INV. | US-PGRUB; USPAT | OR | ON | 2010/05/23 20:42 |
| S137 | 7 | ((LUCIA) near2 (GIOVANOLA)).INV. | US-PGRUB; USPAT | OR | ON | 2010/05/23 20:43 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------------|------------------|---------|------------------|
| L6 | 12 | ((((RENATO) near2 (CONTA)). INV.) and ("347"/\$.ccls.) and @pd<="20031027" | USPAT; UPAD | OR | ON | 2010/05/24 08:33 |
| L7 | 0 | ((((RENATO) near2 (CONTA)). INV.) and ("347"/\$.ccls.) and @pd<="20031027" and (ejection near5 module) | USPAT; UPAD | OR | ON | 2010/05/24 08:35 |
| L8 | 0 | ((((RENATO) near2 (CONTA)). INV.) and ("347"/\$.ccls.) and @pd<="20031027" and (ejection near5 cell) | USPAT; UPAD | OR | ON | 2010/05/24 08:35 |
| L9 | 3 | ((((RENATO) near2 (CONTA)). INV.) and ("347"/\$.ccls.) and @pd<="20031027" and (chip) | USPAT; UPAD | OR | ON | 2010/05/24 08:35 |

5/ 24/ 2010 8:58:03 AM

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